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L2: Entry 4 of 4

File: USPT

Oct 14, 2003

US-PAT-NO: 6632640DOCUMENT-IDENTIFIER: US 6632640 B1

TITLE: Vaccine against Staphylococcus intoxication

DATE-ISSUED: October 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; John S.	Hagerstown	MD		
Pushko; Peter	Frederick	MD		
Smith; Jonathan F.	Sabillasville	MD		
Ulrich; Robert G.	Frederick	MD		

US-CL-CURRENT: 435/69.3; 435/252.3, 435/252.33, 435/320.1, 435/325, 435/69.1,
435/71.1, 435/71.3, 536/23.1, 536/23.5, 536/23.7

CLAIMS:

What is claimed is:

1. A recombinant DNA construct comprising: (i) a VEE virus replicon vector which contains (ii) an isolated nucleic acid fragment comprising the nucleic acid sequence encoding mSEA, which sequence expresses a peptide product that does not bind to MHC on T-cells.
2. A recombinant DNA construct according to claim 1 wherein said vector is an expression vector.
3. A recombinant DNA construct according to claim 1, wherein said vector further comprises a prokaryotic vector.
4. An isolated host cell transformed with a recombinant DNA construct according to claim 1.
5. A host cell according to claim 4 wherein said host cell is prokaryotic.
6. A host cell according to claim 4 wherein said host cell is eukaryotic.
7. A method for producing Staphylococcus aureus protein comprising culturing the cells according to claim 5 under conditions such that said DNA fragment is expressed and said protein is produced.
8. A method for producing Staphylococcus aureus protein comprising culturing the cells according to claim 6 under conditions such that said DNA fragment is

expressed and said protein is produced.

9. A recombinant DNA construct comprising: (i) a VEE virus replicon vector which contains (ii) an isolated nucleic acid fragment comprising the nucleic acid sequence encoding mSEA SEQ ID NO:1.

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All: 4 Review: 1

Items 1 - 4 of 4

One page.

☐ 1: [Borst DW, Betley MJ.](#)

[Related Articles, Links](#)



Promoter analysis of the staphylococcal enterotoxin A gene.

J Biol Chem. 1994 Jan 21;269(3):1883-8.

PMID: 8294437 [PubMed - indexed for MEDLINE]

☐ 2: [Borst DW, Betley MJ.](#)

[Related Articles, Links](#)



Phage-associated differences in staphylococcal enterotoxin A gene (sea) expression correlate with sea allele class.

Infect Immun. 1994 Jan;62(1):113-8.

PMID: 8262616 [PubMed - indexed for MEDLINE]

☐ 3: [Borst DW, Betley MJ.](#)

[Related Articles, Links](#)



Mutations in the promoter spacer region and early transcribed region increase expression of staphylococcal enterotoxin A.

Infect Immun. 1993 Dec;61(12):5421-5.

PMID: 8225618 [PubMed - indexed for MEDLINE]

☐ 4: [Betley MJ, Borst DW, Regassa LB.](#)

[Related Articles, Links](#)



Staphylococcal enterotoxins, toxic shock syndrome toxin and streptococcal pyrogenic exotoxins: a comparative study of their molecular biology.

Chem Immunol. 1992;55:1-35. Review. No abstract available.

PMID: 1418613 [PubMed - indexed for MEDLINE]

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☐ 1. Document ID: US 7141549 B2

L14: Entry 1 of 20

File: USPT

Nov 28, 2006

US-PAT-NO: 7141549

DOCUMENT-IDENTIFIER: US 7141549 B2

TITLE: Proteins and nucleic acids encoding same

DATE-ISSUED: November 28, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20060013813 A1

January 19, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mezes; Peter	Old Lyme	CT	06371	US
Rastelli; Luca	Guilford	CT	06437	US
Herrmann; John	Guilford	CT	06437	US
MacDougall; John	Hamden	CT	06517	US
Zhong; Haihong	Guilford	CT	06437	US
Casman; Stacie	North Haven	CT	06473	US
Boldog; Ferenc	North Haven	CT	06473	US
Shimkets; Richard	Guilford	CT	06437	US
Gorman; Linda	Branford	CT	06405	US
Eisen; Andrew	Rockville	MD	20850	US
Spaderna; Steven	Berlin	CT	06037	US
Vernet; Corine	Branford	CT	06471	US
Berghs; Constance	New Haven	CT	06511	US
Spytek; Kimberly	New Haven	CT	06511	US
DiPippo; Vincent	East Haven	CT	06512	US
Zerhusen; Bryan	Branford	CT	06405	US
Peyman; John	New Haven	CT	06515	US
Ellerman; Karen	Branford	CT	06405	US
Stone; David	Guilford	CT	06437	US
Grosse; William	Branford	CT	06405	US
Alsobrook, II; John	Madison	CT	06443	US
Lepley; Denise	Branford	CT	06405	US
Rieger; Daniel	Branford	CT	06405	US

Burgess; Catherine	Wethersfield	CT	06109	US
Edinger; Shlomit	New Haven	CT	06515	US
Voss; Edward	Wallingford	CT	06492	US
Miller; Charles	Guilford	CT	06437	US

US-CL-CURRENT: 514/12; 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 7122364 B1

L14: Entry 2 of 20

File: USPT

Oct 17, 2006

US-PAT-NO: 7122364

DOCUMENT-IDENTIFIER: US 7122364 B1

TITLE: FEN endonucleases

DATE-ISSUED: October 17, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lyamichev; Victor I.	Madison	WI		US
Kaiser; Michael W.	Madison	WI		US
Lyamicheva; Natasha	Madison	WI		US

US-CL-CURRENT: 435/199; 435/194

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 7108975 B2

L14: Entry 3 of 20

File: USPT

Sep 19, 2006

US-PAT-NO: 7108975

DOCUMENT-IDENTIFIER: US 7108975 B2

TITLE: Atlastin

DATE-ISSUED: September 19, 2006

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20060073478 A1	April 6, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fink; John K.	Ann Arbor	MI		US
Zhao; Xinping	Houston	TX		US

US-CL-CURRENT: 435/6; 536/23.5, 536/24.31

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 4. Document ID: US 7094945 B2

L14: Entry 4 of 20

File: USPT

Aug 22, 2006

US-PAT-NO: 7094945

DOCUMENT-IDENTIFIER: US 7094945 B2

TITLE: OSR-1 nucleic acids and proteins

DATE-ISSUED: August 22, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050079160 A1

April 14, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Solomon; Aaron	Evanston	IL		US
Morimoto; Richard	Evanston	IL		US
Beitel; Greg	Wilmette	IL		US

US-CL-CURRENT: 800/8; 435/320.1, 536/24.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 5. Document ID: US 7074599 B2

L14: Entry 5 of 20

File: USPT

Jul 11, 2006

US-PAT-NO: 7074599

DOCUMENT-IDENTIFIER: US 7074599 B2

TITLE: Detection of mecA-containing Staphylococcus spp.

DATE-ISSUED: July 11, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040063103 A1

April 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Uhl; James R.	Rochester	MN		US
Cockerill, III; Franklin R.	Rochester	MN		US

US-CL-CURRENT: [435/91.2](#); [435/243](#), [435/6](#), [435/91.1](#), [536/23.1](#), [536/24.32](#), [536/24.33](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 6. Document ID: US 7060493 B2

L14: Entry 6 of 20

File: USPT

Jun 13, 2006

US-PAT-NO: 7060493

DOCUMENT-IDENTIFIER: US 7060493 B2

TITLE: Nod2 nucleic acids and proteins

DATE-ISSUED: June 13, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050239105 A1

October 27, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nunez; Gabriel	Ann Arbor	MI		US
Inohara; Naohiro	Ann Arbor	MI		US
Ogura; Yasunori	Ann Arbor	MI		US

US-CL-CURRENT: [435/325](#); [435/252.3](#), [435/254.11](#), [435/320.1](#), [536/23.5](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 7. Document ID: US 7060442 B2

L14: Entry 7 of 20

File: USPT

Jun 13, 2006

US-PAT-NO: 7060442

DOCUMENT-IDENTIFIER: US 7060442 B2

TITLE: Modulators on Nod2 signaling

DATE-ISSUED: June 13, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20030175762 A1

September 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nunez; Gabriel	Ann Arbor	MI		US
Inohara; Naohiro	Ann Arbor	MI		US
Ogura; Yasunori	Ann Arbor	MI		US

US-CL-CURRENT: 435/6; 435/7.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 8. Document ID: US 7037658 B2

L14: Entry 8 of 20

File: USPT

May 2, 2006

US-PAT-NO: 7037658

DOCUMENT-IDENTIFIER: US 7037658 B2

TITLE: Methods and compositions for detecting variant ADAMTS13 genes

DATE-ISSUED: May 2, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20030073116 A1

April 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ginsburg; David	Ann Arbor	MI		US
Levy; Gallia	Ann Arbor	MI		US
Tsai; Han-Mou	Manhasset	NY		US

US-CL-CURRENT: 435/6; 435/91.2, 536/23.2, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 9. Document ID: US 7034134 B2

L14: Entry 9 of 20

File: USPT

Apr 25, 2006

US-PAT-NO: 7034134

DOCUMENT-IDENTIFIER: US 7034134 B2

TITLE: Polynucleotide encoding a novel metalloprotease highly expressed in the testis, MMP-29

DATE-ISSUED: April 25, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20030109021 A1

June 12, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wu; Shujian	Langhorne	PA		US
Chen; Jian	Princeton	NJ		US

US-CL-CURRENT: 536/23.2; 435/212, 435/69.1, 530/400

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 10. Document ID: US 7029847 B2

L14: Entry 10 of 20

File: USPT

Apr 18, 2006

US-PAT-NO: 7029847

DOCUMENT-IDENTIFIER: US 7029847 B2

TITLE: Methods and compositions for interaction trap assays

DATE-ISSUED: April 18, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20020119498 A1

August 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Joung; J. Keith	Winchester	MA		US
Miller; Jeffrey	Cambridge	MA		US
Pabo; Carl O.	Newton	MA		US

US-CL-CURRENT: 435/6; 435/455, 435/7.1, 435/7.2, 435/DIG.1, 435/DIG.2, 435/DIG.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 11. Document ID: US 6964849 B2

L14: Entry 11 of 20

File: USPT

Nov 15, 2005

US-PAT-NO: 6964849

DOCUMENT-IDENTIFIER: US 6964849 B2

TITLE: Proteins and nucleic acids encoding same

DATE-ISSUED: November 15, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rastelli; Luca	Guilford	CT		
Herrmann; John L.	Guilford	CT		
MacDougall; John R.	Guilford	CT		
Zhong; Haihong	Guilford	CT		

US-CL-CURRENT: 435/6; 435/252.3, 435/254.11, 435/320.1, 435/325, 514/44, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Data
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☐ 12. Document ID: US 6913881 B1

L14: Entry 12 of 20

File: USPT

Jul 5, 2005

US-PAT-NO: 6913881

DOCUMENT-IDENTIFIER: US 6913881 B1

TITLE: Methods and compositions for detecting target sequences

DATE-ISSUED: July 5, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Aizenstein; Brian D.	Madison	WI		
Rasmussen; Eric B.	San Diego	CA		
Hall; Jeff G.	Madison	WI		
Agarwal; Poonam	Madison	WI		
Arco; David	Verona	WI		
Atilas; Myrta W.	Madison	WI		

Burris; Deborah E.	Livermore	CA
Indig; Monika de Arruda	Madison	WI
Law; Scott M.	Madison	WI
Mast; Andrea L.	Oregon	WI
Marshall; David J.	Madison	WI
Miller; Carolyn W.	Escondido	CA
Oldenberg; Mary C.	Madison	WI
Prudent; James R.	Madison	WI
Schneiders; Jennifer M.	Ipswich	MA
Brow; Mary Ann	Madison	WI
Lyamichev; Victor	Madison	WI

US-CL-CURRENT: 435/6; 435/5, 435/91.1, 435/91.2, 536/23.1, 536/24.3, 536/24.33

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw D
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☐ 13. Document ID: US 6900289 B2

L14: Entry 13 of 20

File: USPT

May 31, 2005

US-PAT-NO: 6900289

DOCUMENT-IDENTIFIER: US 6900289 B2

TITLE: Physalia fluorescent proteins

DATE-ISSUED: May 31, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yanagihara; Angel Anne	Honolulu	HI		

US-CL-CURRENT: 530/350; 435/320.1, 435/325, 435/4, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw D
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☐ 14. Document ID: US 6858391 B2

L14: Entry 14 of 20

File: USPT

Feb 22, 2005

US-PAT-NO: 6858391

DOCUMENT-IDENTIFIER: US 6858391 B2

TITLE: Nod2 nucleic acids and proteins

DATE-ISSUED: February 22, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nunez; Gabriel	Ann Arbor	MI		

Inohara; Naohiro	Ann Arbor	MI
Ogura; Yasunori	Ann Arbor	MI
Cho; Judy	Chicago	IL
Nicolae; Dan L.	Chicago	IL
Bonen; Denise	Chicago	IL

US-CL-CURRENT: 435/6; 435/91.1, 435/91.2, 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 15. Document ID: US 6835815 B2

L14: Entry 15 of 20

File: USPT

Dec 28, 2004

US-PAT-NO: 6835815

DOCUMENT-IDENTIFIER: US 6835815 B2

TITLE: Nod2 nucleic acids and proteins

DATE-ISSUED: December 28, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nunez; Gabriel	Ann Arbor	MI		
Inohara; Naohiro	Ann Arbor	MI		
Ogura; Yasunori	Ann Arbor	MI		

US-CL-CURRENT: 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 16. Document ID: US 6743581 B1

L14: Entry 16 of 20

File: USPT

Jun 1, 2004

US-PAT-NO: 6743581

DOCUMENT-IDENTIFIER: US 6743581 B1

TITLE: Multifunctional and multispectral biosensor devices and methods of use

DATE-ISSUED: June 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vo-Dinh; Tuan	Knoxville	TN		

US-CL-CURRENT: 435/6; 356/335, 422/68.1, 422/82.01, 422/82.05, 435/174, 435/283.1, 435/287.2, 435/288.7, 435/320.1, 435/325, 435/7.1, 530/300, 530/350, 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw D
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☐ 17. Document ID: US 6713298 B2

L14: Entry 17 of 20

File: USPT

Mar 30, 2004

US-PAT-NO: 6713298

DOCUMENT-IDENTIFIER: US 6713298 B2

**** See image for Certificate of Correction ****

TITLE: Method and apparatus for the delivery of samples to a chemical sensor array

DATE-ISSUED: March 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McDevitt; John T.	Travis	TX		
Anslyn; Eric V.	Travis	TX		
Shear; Jason B.	Travis	TX		
Neikirk; Dean P.	Travis	TX		

US-CL-CURRENT: 435/287.8; 435/287.1, 435/287.3, 435/288.4, 436/518, 436/531

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw D
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☐ 18. Document ID: US 6692917 B2

L14: Entry 18 of 20

File: USPT

Feb 17, 2004

US-PAT-NO: 6692917

DOCUMENT-IDENTIFIER: US 6692917 B2

TITLE: Systems and methods for invasive cleavage reaction on dendrimers

DATE-ISSUED: February 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Neri; Bruce P.	Madison	WI		
Hall; Jeff G.	Madison	WI		
Lyamichev; Victor	Madison	WI		
Smith; Lloyd M.	Madison	WI		

US-CL-CURRENT: 435/6; 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw D
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☐ 19. Document ID: US 6649403 B1

L14: Entry 19 of 20

File: USPT

Nov 18, 2003

US-PAT-NO: 6649403

DOCUMENT-IDENTIFIER: US 6649403 B1

**** See image for Certificate of Correction ****

TITLE: Method of preparing a sensor array

DATE-ISSUED: November 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McDevitt; John T.	Travis	TX		
Anslyn; Eric V.	Austin	TX		
Shear; Jason B.	Austin	TX		
Neikirk; Dean P.	Travis	TX		

US-CL-CURRENT: 435/288.5; 435/287.1, 435/287.3, 435/288.2, 435/288.4, 436/518,
436/524, 436/531

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 20. Document ID: US 6642041 B2

L14: Entry 20 of 20

File: USPT

Nov 4, 2003

US-PAT-NO: 6642041

DOCUMENT-IDENTIFIER: US 6642041 B2

**** See image for Certificate of Correction ****

TITLE: Polynucleotides encoding a novel metalloprotease, MP-1

DATE-ISSUED: November 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chen; Jian	Princeton	NJ		
Feder; John N.	Belle Mead	NJ		
Nelson; Thomas C.	Lawrenceville	NJ		
Krystek; Stanley R.	Ringoes	NJ		
Duclos; Franck	Washington Crossing	PA		

US-CL-CURRENT: 435/226; 435/219, 435/252.3, 435/320.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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<input type="checkbox"/>	L4	L3 and mullis	2826
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